PATENT COOPERATION TREATY

rom the NTERNATIONAL SEA	RCHING AUTH	ORITY		PC REC'D 0 4 AUG 2004		
То:						
				WIPO PCT		
			WOJT			
see form	PCT/ISA/220			TEN OPINION OF THE NAL SEARCHING AUTHORITY		
				PCT Rule 43 <i>bis</i> .1)		
	e te p		. (1	-01 hule 430/3.1)		
			Date of mailing			
			(day/month/year) se	e form PCT/ISA/210 (second sheet)		
Applicant's or agent's file			FOR FURTHER			
see form PCT/ISA/2			See paragraph 2 belo			
International application No. International filing dat PCT/CA2004/000606 22.04.2004			day/month/year)	Priority date (day/month/year) 22.04.2003		
International Patent Clas	sification (IPC) or	both national classification	and IPC			
A01N43/16, A01N6	3/02					
Applicant		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
BIOS AGRICULTUI	RE INC.			•		
1. This opinion co	ontains indicati	ons relating to the fol	owing items:			
☑ Box No. I	Basis of the op	pinion		· .		
☑ Box No. II	Priority					
☐ Box No. III	•	ment of opinion with reg	ard to novelty, Inventi	ve step and industrial applicability		
☐ Box No. IV	Lack of unity o	•				
Box No. V	Reasoned stat	ement under Rule 43 <i>bi</i> tations and explanation	s.1(a)(i) with regard to s supporting such stat	novelty, inventive step or Industrial ement		
☐ Box No. VI	Certain docum	ents cited				
🛛 Box No. VII	Certain defects	s in the international app	olication			
🖾 Box No. VIII	Certain observ	rations on the Internation	nal application			
. FURTHER ACT	ION					
written opinion o	of the Internation ooses an Author reau under Rule	al Preliminary Examinin Itv other than this one to	g Authority ("IPEA"). I be the IPEA and the	usually be considered to be a However, this does not apply where chosen IPEA has notifed the Itional Searching Authority		
submit to the IPI	EA à written repl date of mailing	y together, where appro	priate, with amendme	IPEA, the applicant is invited to ints, before the expiration of three of 22 months from the priority date,		
For further optio	ns, see Form PC	CT/ISA/220,				
3. For further detail	ls, see notes to l	Form PCT/ISA/220.				
lame and malling addre	ss of the ISA		Authorized Officer			

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CA2004/000606

Box No. I Basis of the opinion
With regard to the language, this opinion has been established on the basis of the international application in the language in which it was field, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material:
□ a sequence listing
□ table(s) related to the sequence listing
b. format of material:
☐ in written format
☐ in computer readable form
c. time of filing/furnishing:
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table relating theret has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as
Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CA2004/000606

Вох	No. II	Priority							
1. 🖾	☐ The following document has not been furnished:								
	copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).								
		translation of the ea	arlier app	lication wh	ose priority	has beer	n claimed	(Rule 43 <i>bi</i> s	s.1 and 66.7(b)).
1	Consec neverth	quently it has not be reless been establis	en possik hed on th	ole to cons e assumpt	ider the va	lidity of the	e priority o date is th	elalm. This o	opinion has priority date.
	has bė	pinion has been established as if no priority had been claimed due to the fact that the priority claim een found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international late indicated above is considered to be the relevant date.							
3. Addi	Additional observations, if necessary:								
	No. V	December of states		ing Dula 46) his 1/s/(I)			alla face	
	No. V strial a	Reasoned staten pplicability; citation	nent und	er Hule 4. explanatio	ns suppo	rting sucl	n stateme	ent	ntive step or
1. State	ement				•				•
Nove	elty (N)		Yes: No:	Claims Claims	1 - 5				
Inver	ntive st	ep (IS)	Yes: No:	Claims Claims	1 - 5				
Indus	strial ap	oplicability (IA)	Yes: No:	Claims Claims	1 - 5				
2. Citati	ions an	d explanations							
see s	separa	te sheet							
		•							
				,					
Вох	No. VII	Certain defects	in the int	ernationa	i applicati	on			
The folio	owing d	efects in the form or	contents	of the inte	ernational a	application	nave be	en noted:	
see s	separa	te sheet							
Вох	No. VII	l Certain observa	itions on	the interi	national a	plication)		

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/CA2004/000606

_		
_	Box No. I Basis of the re	port
1	 With regard to the languag filed, unless otherwise indic 	e, this report is based on the international application in the language in which it wa
	which is the language of international search publication of the international search	translations from the original language into the following language, of a translation furnished for the purposes of: (under Rules 12.3 and 23.1(b)) Ternational application (under Rule 12.4) The ray examination (under Rules 55.2 and/or 55.3)
2	nave been turnished to the	s* of the international application, this report is based on (replacement sheets which receiving Office in response to an invitation under Article 14 are referred to in this and are not annexed to this report):
	Description, Pages	
	6-25	as originally filed
	1-5, 5a	received on 03.03.2005 with letter of 22.02.2005
	Claims, Numbers	
	1-6	received on 03.03.2005 with letter of 22.02.2005
	Drawings, Sheets	
	1-15	as originally filed
	☐ a sequence listing and/o	r any related table(s) - see Supplemental Box Relating to Sequence Listing
3,	☐ The amendments have	resulted in the cancellation of:
	the description, page	s
	☐ the claims, Nos.☐ the drawings, sheets.	fins
	☐ the sequence listing	(specify):
	☐ any table(s) related to	o sequence listing (specify):
4.	☐ This report has been est had not been made, since the Supplemental Box (Rule 70.2	ablished as if (some of) the amendments annexed to this report and listed below ey have been considered to go beyond the disclosure as filed, as indicated in the 2(c)).
	☐ the description, page: ☐ the claims, Nos.	3
	☐ the drawings, sheets/	ligs
	☐ the sequence listing ((specify):
		sequence listing (specify):
	* If item 4 applies,	some or all of these sheets may be marked "superseded."

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/CA2004/000606

1). Prithiviraj et al., 2003 (= D1) discloses an accelerated flowering and an increased number of flowers on application of LCO's to plants (D1: page 440, last paragraph). Atti et al., 2002 (= D2) discloses an increase in flower induction and pod development on treatment of soy bean with LCO's.

WO 01/26465 A1 (= D3) also discloses that treatment of soy bean with LCO's results in increased flower clusters and pod numbers per plant (see in particular example 5 and table 3).

The use of LCO's for acceleration flowering and fruiting of plants or for increasing flower numbers and associated yield hence are known from the prior art. Claims 1 - 5 hence are not novel (Art. 33 (2) PCT).

Insofar as the claims relate to other plants, it appears that the enhanced flowering and fruiting in such plants are obvious in view of the teachings of D1 - D3 since it is well-known in the art that the plant growth regulating (promoting) effects of LCO's are not plant specific.

2). Various parts of the description mention that also compositions comprising LCO's are part of the invention thus rendering the intended scope of protection ambiguous contrary to the requirements of Art. 6 PCT.

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 and D2 is not mentioned in the description, nor are these documents identified therein.